

BORDER REV. DATE: June 1, 2004

DRILL HOLES

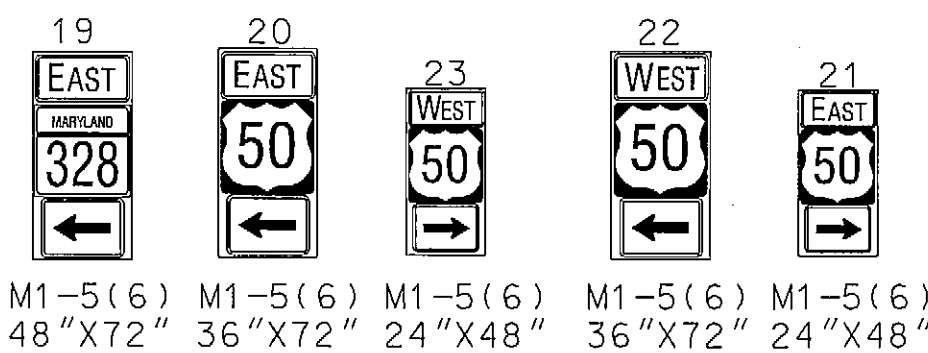
DRILL HOLES

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BY: Ardalan Faghri Division: P068 Highway Traffic/GMA Emp

US 50 IS ASSUMED TO RUN
IN AN EAST/WEST DIRECTION

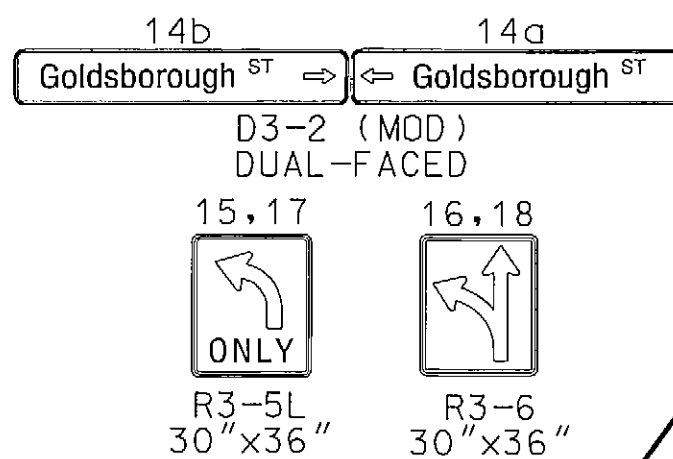
PROPOSED SIGNS



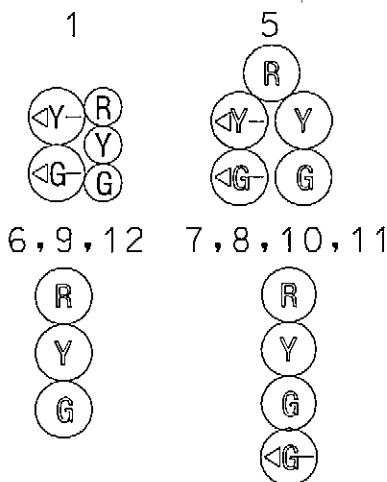
ASSOCIATED SHIELD ASSEMBLY

EXISTING OPTICOM
DETECTOR
PROPOSED VIDEO
DETECTION CAMERA

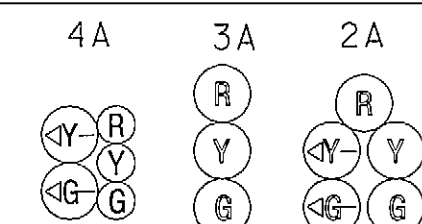
EXISTING SIGNS



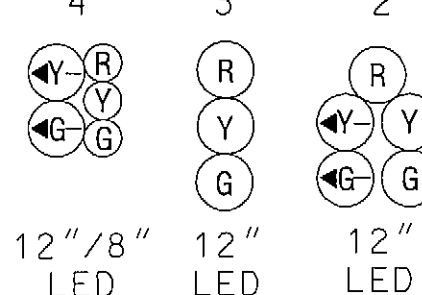
EXISTING SIGNALS



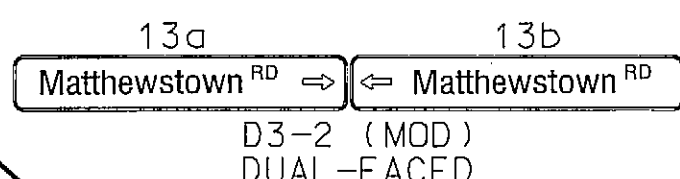
EXISTING SIGNALS TO BE REMOVED



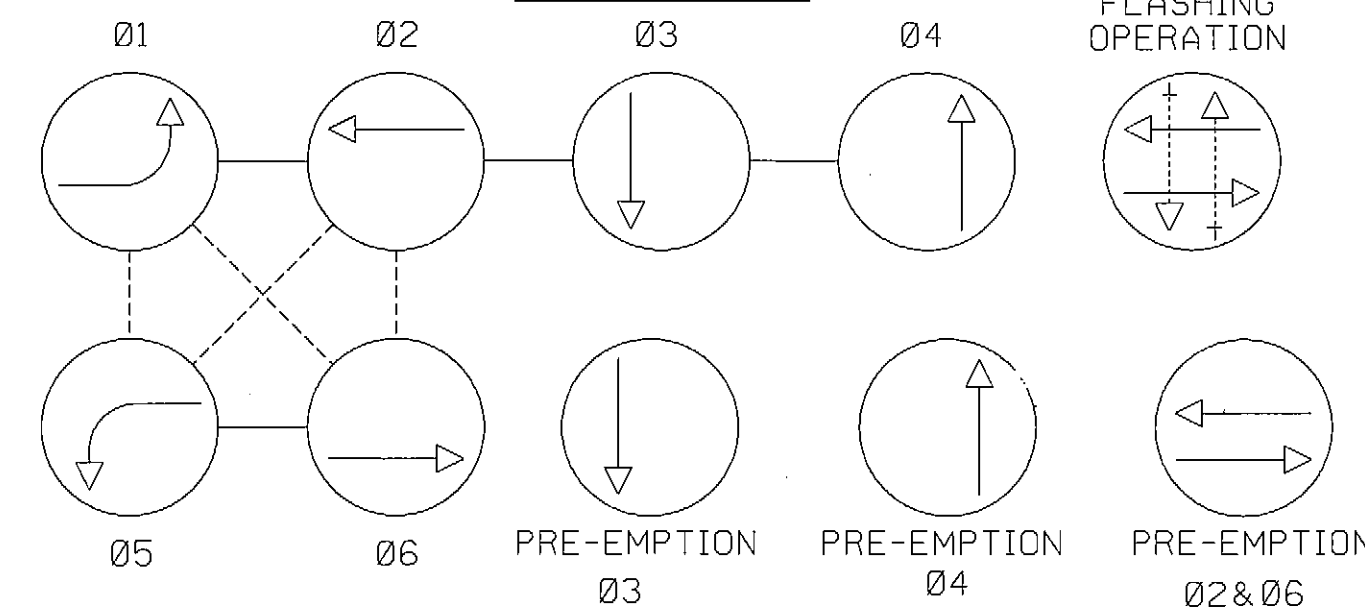
PROPOSED SIGNALS



EXISTING SIGNS TO BE RELOCATED



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- INSTALL CONCRETE FOUNDATION WITH ONE 27 FOOT STEEL POLE AND ONE 70 FOOT MAST ARM, TRAFFIC SIGNAL HEADS, 20 FOOT LIGHTING ARM, 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERA AND SIGNS. (1-3 INCH CONDUIT BEND IN BASE).
- INSTALL NEW HANDHOLE.
- INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED.
- INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING CABINET. INSTALL NEW VIDEO DETECTION INTERFACE EQUIPMENT.
- CAP AND ABANDON EXISTING CONDUIT.
- INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
- REMOVE SIGNAL POLE, AND ALL EQUIPMENT. REMOVE FOUNDATION 12" BELOW GRADE.
- REMOVE EXISTING HANDHOLE.
- PULL BACK EXISTING PROBE WIRES AND EXISTING INTERCONNECT CABLE TO THIS HANDHOLE AND REINSTALL IN NEW CONDUIT. DISCONNECT CABLES PRIOR TO PULLING BACK.
- CUT AND ABANDON EXISTING MICROLOOP PROBE.

CONSTRUCTION DETAILS CONT.

- R- REMOVE EXISTING VIDEO DETECTION CAMERA AND INSTALL PROPOSED VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- S- INSTALL GROUND MOUNTED SIGN.
- T- BAND SIGN TO POLE.
- U- REMOVE EXISTING CAMERA.
- V- INSTALL NEW VIDEO DETECTION CAMERA ON EXISTING MAST ARM.

GENERAL NOTES

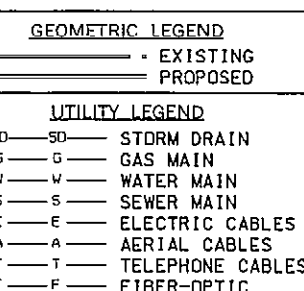
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

GENERAL NOTES CONT.

- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04.
- THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.
- REMOVE ALL UNUSED CABLES FROM CONDUIT.

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

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APPROVALS		REVISIONS	
TEAM LEADER		(E) GEOMETRIC IMPROVEMENTS ON THE EAST LEG FEB 10, 2010	T3225176
ASST. DIR. CHIEF		(KCI) US 50 AND MD 328	
DIVISION CHIEF		(D) INSTALL VIDEO DETECTION INSTALL MICROLOOP PROBES ON US50	
OFFICE DIRECTOR		(JWA) JH WH TH	
		(C) SIGNAL RECONSTRUCTION	AW276AS8938

REVISIONS	
(E)	GEOMETRIC IMPROVEMENTS ON THE EAST LEG FEB 10, 2010
(KCI)	US 50 AND MD 328
(D)	INSTALL VIDEO DETECTION INSTALL MICROLOOP PROBES ON US50
(JWA)	JH WH TH
(C)	SIGNAL RECONSTRUCTION

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION US 50 AND MD 328 (MATTHEWSTOWN ROAD) EASTON, MD	
TRAFFIC SIGNAL PLAN	
SCALE 1" = 20'	ADVERTISED DATE 3-23-1978 CONTRACT NO. T312-501-203
DESIGNED BY B. THOMPSON	COUNTY TALBOT
DRAWN BY B. THOMPSON	LOGMILE 200050115
CHECKED BY	TIMS NO. K308
F.A.P. NO.	TOD NO.
TS NO. 532E	DRAWING SP-1 OF 2 SHEET NO. OF

PLOTTED: 11:00 AM on Thursday, April 22, 2010
FILE: M:\2009\01090619\07\drawings\p53-P001_US50.dgn